



031504

16179 U.S. PTO

PATENT

Docket No. IL-10314C

Assistant Commissioner for Patents  
Alexandria, VA 22313-1450

## NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):  
Tri D. Tran, Dave Lenz

For (title): **Alternating-Polarity Operation for Complete Regeneration of  
Electrochemical Deionization System**

16834 U.S. PTO  
10/801246

031504

## 1. Type of Application

☐ This new application is for an original patent.

☒ This new application is a:

☒ Division

☐ Continuation

☐ Continuation-in-part (CIP)

## 2. Benefit of Prior U.S. Application(s) (35 USC 120)

☒ The new application being transmitted claims the benefit of prior  
U.S. application(s). 09/234,586 filed 1/21/1999 and 10/037,288 filed  
1/3/2002

☒ Group/ Art Unit: 1742

☒ Examiner of Prior Application: Wesley A. Nicolas

3. ☐ Benefit under 35 U.S.C. 119(e) of United States provisional application(s) list below:

Application Serial No.

Filing Date

## 4. Papers enclosed which are required for filing Date Under 37 CFR 1.53(b).

40 Pages of specification

7 Claims and Abstract

7 Sheets of drawings

## 5. Additional papers enclosed

☐ Preliminary Amendment

☒ Express Mail Certificate

☒ Return Postcard

6. Declaration or oath

- ☒ Copy from a Prior Application enclosed and executed by
- ☒ Inventors
  - ☐ legal representative of inventor(s) 37 CFR 1.42 or 1.43
  - ☐ Not Enclosed

7. Assignment

- ☒ An assignment of the invention to The Regents of the University of California.
- ☐ is attached
  - ☐ will follow
  - ☒ Previously filed

8. Certified Copy

Certified copy(ies) of application(s)

(country)	(application no.)	(filed)
(country)	(application no.)	(filed)

from which priority is claimed

- ☐ is(are) attached.
- ☐ will follow

9. Fee Calculation

CLAIMS AS FILED					
Type of Claim	Number Filed	Included in Basic Fee	Number Extra	Rate	Total Fee
Total Claims	20	-20 =	0	x \$18 =	\$ .00
Independent Claims	3	-3 =	0	x \$84 =	\$ .00
				Multiple Claims	= \$
				Basic Filing Fee	= \$ 750.00
				Sub-Total	= \$ 750.00
				Small Entity Filing Fee	= \$ 375.00

**10. Small Entity Statement(s)**

- ☐ Verified Statement that this is a filing by small entity under 37 CFR 1.9 and 1.27 is attached.
- ☒ Copy of Verified Statement that this is a filing by small entity under 37 CFR 1.9 and 1.27 filed in prior application. Status still proper and desired.

**11. Fee Payment**

- ☐ Not Enclosed
- ☒ Enclosed (See Charge Account Information Below)

**Total Basic Filing Fees To Be Paid** \$ 375.00

**12. Method of Payment of Fees**

- ☐ Check in the Amount of \$ \_\_\_\_\_
- ☒ Charge Account No. 12-0695 in the amount of \$ 375.00
- A duplicate of this transmittal is attached.**

**13. Instructions As To Overpayment/Underpayment**

- ☒ credit/charge  
Account No. 12-0695
- ☐ refund

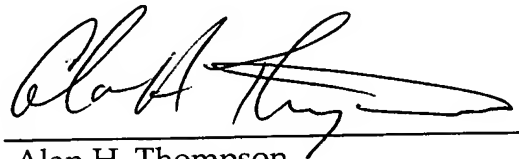
**14. Correspondence Address**

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Alan H. Thompson  
ATTORNEY

P.O. Box 808, L-703  
Livermore, CA 94551

Dated: 3/15/2004

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Tri D. Tran et al Attorney Docket: IL-103140C  
Serial No. : Art Unit: 1742  
Filed : Examiner: Wesley A. Nicolas  
For : Alternating-Polarity Operation for Complete Regeneration  
of Electrochemical Deionization System

Assistant Commissioner for Patents  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number EV 268204183 US

Date of Deposit March 15, 2004

I hereby certify that the following *attached* correspondence comprising:

1. New Application Transmittal (Original and copy)
2. Divisional Application Cover Letter showing changes
3. Divisional Application: Specification (40 pages) with Claims and Abstract (7 pages) and Drawings (7 sheets)
4. Copy of prev. filed Combined Declaration/Power of Attorney (3 pgs)
5. Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nancy J. Stone

(Type or print name of person mailing paper)

Nancy J. Stone

(Signature of person mailing paper or fee)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Tri D. Tran et al Attorney Docket: IL-103140C  
Serial No. : Art Unit: 1742  
Filed : Examiner: Wesley A. Nicolas  
For : Alternating-Polarity Operation for Complete Regeneration  
of Electrochemical Deionization System

**DIVISIONAL APPLICATION**

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This application is being filed as a Divisional Application of U.S. Application S.N. 10/037.288 filed January 3, 2002, entitled "Alternating-Polarity Operation for Complete Regeneration of Electrochemical Deionization System" which is a Divisional Application of U.S. Application S.N. 09/234,586 filed January 21, 1999 entitled "Alternating-Polarity Operation for Complete Regeneration of Electrochemical Deionization System".

The following changes from the parent case have been made:

Claims 21-26 are cancelled.

Respectfully submitted,



Alan H. Thompson  
Attorney for Applicant  
Registration No. 29,981

Dated: 3/15/04